

IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Currently Amended): A method of configuring signaling locations within a heart for performing intrachamber resynchronization, comprising:

positioning signaling electrodes to deliver stimulation to only a left ventricle of the heart, the signaling electrodes being positioned along a first and second axis interior to the heart, the second axis extending within the left ventricle to position at least one first signaling electrode of the signaling electrodes thereabout, the first axis extending into a right ventricular septum of the heart to position at least one second signaling electrode of the signaling electrodes at a position in the right ventricular septum to deliver for delivering stimulation to the left ventricle; and

delivering, to the left ventricle, stimulation via the at least one first and second signaling electrodes for performing the intrachamber resynchronization.

Claims 2-19 (Cancelled).

Claim 20 (Previously Presented): The method of claim 1, wherein the signaling electrodes are positioned endocardially in the heart.

Claims 21-26 (Cancelled).

Claim 27 (Previously Presented): The method of claim 1, wherein the first and second signaling electrodes are positioned to deliver stimulation to the left ventricle in at least

one of an interventricular septum, a coronary vein in the left ventricle, or an epicardial wall of the left ventricle.

Claim 28 (Previously Presented): The method of claim 27, wherein the delivering includes providing electrical signals to the signaling electrodes connected to a lead passing through the superior vena cava, the right atrium, the ostium of the coronary sinus, and a coronary vein of the left ventricle.

Claims 29-33 (Cancelled).

Claim 34 (Currently Amended): The method of claim 1, wherein the delivering further comprises:

delivering stimulation to the at least one second signaling electrode in a a an interventricular septum and the at least one first signaling electrode in a coronary vein of the left ventricle.

Claims 35-66 (Cancelled).

Claim 67 (Currently Amended): A system for performing intrachamber resynchronization, comprising:

signaling electrodes configured to be positioned at a first and second axis interior to the heart, to deliver stimulation to only a left ventricle of the heart, the signaling electrodes being positioned along the first and second axis, the second axis extending within the left ventricle to position at least one first signaling electrode of the signaling electrodes therein, the first axis extending into a right ventricular septum of the heart to position at least one

second signaling electrode of the signaling electrodes at a position in the right ventricular septum to deliver for delivering stimulation to the left ventricle; and

a processor, configured to deliver to the left ventricle, a stimulation signal via the at least one first and second signaling electrodes for performing the intrachamber resynchronization.

Claim 68 (Cancelled).

Claim 69 (Previously Presented): The system of claim 67, wherein depolarization signals are sensed by the signaling electrodes from multiple locations within the left ventricle.

Claim 70 (Previously Presented): The system of claim 67, wherein the signaling electrodes are configured to be positioned endocardially in the heart.

Claim 71 (Previously Presented): The system of claim 67, wherein the stimulation signal is delivered to the left ventricle by the at least one second signaling electrode in an interventricular septum and the at least one first electrode in a coronary vein of the left ventricle.

Claims 72-73 (Cancelled).